

#### **2.1.4. State the process used to identify extent of compliance of the curriculum for attaining the Program Outcomes and Program Specific Outcomes**

Remarks by UGC Committee headed by Prof. M.V. Mathur that visited DEI Engineering College on 18<sup>th</sup> May 1977 “A comprehensive and integrated education with interdisciplinary approach, with the objective of not only improving the quality of existing education but also to effecting a radical change in its pattern and content so that while its academic excellence is improved upon, it produces better graduates suited to today’s needs, especially in the background of socio-economic conditions and rural reconstruction and development. The program is thus innovative.

... will present multi-disciplinary, and multi-faculty courses, integrated with other activities, work etc., which is not intended to be provide by one or two institutions only. Institutions will work in faculties, providing facilities for inter-faculty coaching of students in subjects assigned to the faculties – both as major and half subjects. In addition, all students will receive instructions as a part of curriculum in social service, Indian culture, rural problems, farming and comparative religion besides participating in relative field experience programs. It is expected that students with such a background would be able to provide in villages the much needed leadership in rural development. They would be academically better equipped to undertake post graduate studies and majority of those who end their education at graduation level, will be able to have some independent self- employment.....”

The curriculum designed is in-line with the above innovative education and its compliance for attaining the program outcomes and program specific outcomes is listed below:

- (i) A semester system is followed in which marks and grading both are given for all the components of evaluation. Classes are regularly held and in each class the student is given a home assignment based on what was taught on that day so that he can not only revise but apply the scientific principles taught for engineering applications and retain the knowledge.
- (ii) Every week a class test is conducted for all subjects so that the students are assessed regarding the course specific outcomes.
- (iii) This continuous evaluation and feedback helps the students to identify and rectify their weakness and makes them attain the course specific outcomes and program outcomes.
- (iv) Further, the students are made to participate in group discussions and seminars and this makes them attain proficiency in the subject and helps the attainment.
- (v) Every quarter class tests are conducted and at the end of the semester final examinations are conducted which are evaluated by teachers of other reputed

institutes. Thus external peer review is done on the evaluation of Course Specific Outcomes and Course Outcomes.

- (vi) Regular feedback is taken from students through class committee meetings and the meritorious students as well as weaker students are provided opportunity to improve themselves even after normal timings and during weak ends by providing extra consultation by teachers.
- (vii) During the semester teacher-student interaction is also arranged so that every parent is made aware of his ward's performance and can gauge the program outcome.

**Program Specific Outcomes:**

- PSO 1** Graduates will be able to analyze, innovate and provide practical electrical engineering solutions to real life problems.
- PSO 2** The graduates will acquire adequate practical skills in electrical engineering and develop capacity to work with one's own hands in order to imbibe vocational and entrepreneurial traits
- PSO 3** Graduate will be able to specialize in any important discipline that includes Core Electrical Engineering, Electronics and Communications Engineering or Computer Science.
- PSO 4** Graduate will be able to demonstrate strong commitment to professional ethics and **moral values** through their conduct